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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/399,492 09/20/99 BAZAN

J DX0903K

HM22/0417

EXAMINER

DRAPER, G

ART UNIT	PAPER NUMBER
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1646

7

DATE MAILED:

04/17/00

EDWIN P CHING
DNAX RESEARCH INSTITUTE
901 CALIFORNIA AVENUE
PALO ALTO CA 94304-1104

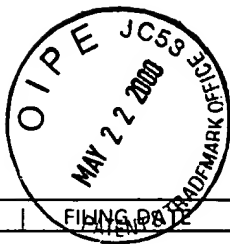
WORKING COPY

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

*NTC,
Response due
5-17-00*

09/399,492



UNITED STATES DEPARTMENT OF COMMERCE
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Address: Commissioner of Patents and Trademarks
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT	PAPER NUMBER
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7

DATE MAILED:

Please find below a communication from the EXAMINER in charge of this application.

Commissioner of Patents

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR § 1.821(a)(1) and (a)(2). However, it fails to comply with the requirements of 37 CFR §§ 1.821-1.825 as set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures.

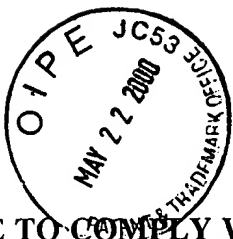
APPLICANT IS GIVEN **ONE MONTH** FROM THE DATE OF THIS LETTER WITHIN WHICH TO COMPLY WITH THE SEQUENCE RULES, 37 CFR §§ 1.821-1.825.

Failure to comply with these rules will result in ABANDONMENT of the application under 37 CFR § 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR § 1.136. In no case may an applicant extend the period for response beyond the six month statutory period. Direct the response to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the response.

Any inquiry concerning this communication should be directed to the undersigned at telephone number (703) 308-3934 or fax number (703) 308-0294. Inquiries of a general nature or relating to the status of the application should be directed to the Technology Center 1600 receptionists at (703) 308-0196.

DAVID L. FITZGERALD
PRIMARY EXAMINER
ART UNIT 1646

14 April 2000



Application Serial No. 09/399,492

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. §§ 1.821-1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. §§ 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990, and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. § 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. § 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. §§ 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing".
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 C.F.R. § 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. § 1.821(e).
- ☐ 7. Other:

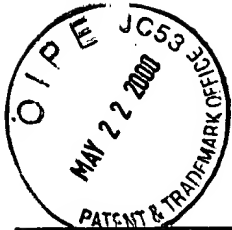
Applicant must provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. § 1.821(e) or § 1.821(f) or § 1.821(g) or § 1.825(b) or § 1.825(d).

For questions regarding compliance with these requirements, please contact one of the following:

For rules interpretation, call (703) 308-4216.
For CRF submission help, call (703) 308-4212.
For PatentIn software help, call (703) 557-0400.

Please return a copy of this notice with your response.



Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

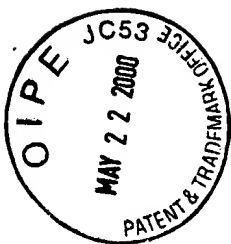
SERIAL NUMBER:

09/399,492

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
 (1) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
 (x1) SEQUENCE DESCRIPTION:SEQ ID NO:X:
 This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000
- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism Sequence(s) are missing this mandatory field or its response.
(NEW RULES)
- 12 Use of <220>Feature Sequence(s) are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.



OIPE

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/399,492DATE: 10/05/1999
TIME: 10:44:46

Input Set: I399492.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Bazan, J. Fernando
2 <120> TITLE OF INVENTION: Mammalian Cytokines; Related Reagents and Methods
3 <130> FILE REFERENCE: DX0903K
4 <140> CURRENT APPLICATION NUMBER: US/09/399,492
5 <141> CURRENT FILING DATE: 1999-09-20
6 <160> NUMBER OF SEQ ID NOS: 9
7 <170> SOFTWARE: PatentIn Ver. 2.0
8 <210> SEQ ID NO 1
9 <211> LENGTH: 468
10 <212> TYPE: DNA
11 <213> ORGANISM: primate
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14 <222> LOCATION: (301)
15 <223> OTHER INFORMATION: nucleotide may be A, C, G, or T
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17 <221> NAME/KEY: CDS
18 <222> LOCATION: (20)..(466)
19 <220> FEATURE:
20 <221> NAME/KEY: mat_peptide
21 <222> LOCATION: (119)..(466)
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25 -30 -25
26 cta tat gtt ctg tca gtt tct ttc agg aaa atc ttc atc tta caa ctt 100
27 Leu Tyr Val Leu Ser Val Ser Phe Arg Lys Ile Phe Ile Leu Gln Leu
28 -20 -15 -10
29 gta ggg ctg gtg tta act tac gac ttc act aac tgt gac ttt gag aag 148
30 Val Gly Leu Val Leu Thr Tyr Asp Phe Thr Asn Cys Asp Phe Glu Lys
31 -5 -1 1 5 10
32 att aaa gca gcc tat ctg agt act att tct aaa gac ctg att aca tat 196
33 Ile Lys Ala Ala Tyr Leu Ser Thr Ile Ser Lys Asp Leu Ile Thr Tyr
34 15 20 25
35 atg agt ggg acc aaa agt acc gag ttc aac aac acc gtc tct tgt agc 244
36 Met Ser Gly Thr Lys Ser Thr Glu Phe Asn Asn Thr Val Ser Cys Ser
37 30 35 40
38 aat cgg cca cat tgc ctt act gaa atc cag agc cta acc ttc aat ccc 292
39 Asn Arg Pro His Cys Leu Thr Glu Ile Gln Ser Leu Thr Phe Asn Pro
40 45 50 55
41 aac cgc cgn gtg cgg tcg ctg gcc aaa gaa atg ttc gcc atg aaa act 340
42 Asn Arg Xaa Val Arg Ser Leu Ala Lys Glu Met Phe Ala Met Lys Thr
43 60 65 70
44 aag gct gcc tta gct atc tgg tgc cca ggc tat tcg gaa act cag ata 388

Does Not Comply
Corrected Diskette Needed

see
p. 2

w--OK

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/399,492DATE: 10/05/1999
TIME: 10:44:46

Input Set: I399492.RAW

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61                      -15                      -10                      -5
62      Thr Tyr Asp Phe Thr Asn Cys Asp Phe Glu Lys Ile Lys Ala Ala Tyr
63      -1 1                      5                      10                      15
64      Leu Ser Thr Ile Ser Lys Asp Leu Ile Thr Tyr Met Ser Gly Thr Lys
65                      20                      25                      30
66      Ser Thr Glu Phe Asn Asn Thr Val Ser Cys Ser Asn Arg Pro His Cys
67                      35                      40
68      Leu Thr Glu Ile Gln Ser Leu Thr Phe Asn Pro Asn Arg Xaa Val Arg
69                      50                      55                      60
70      Ser Leu Ala Lys Glu Met Phe Ala Met Lys Thr Lys Ala Ala Leu Ala
71                      65                      70                      75
72      Ile Trp Cys Pro Gly Tyr Ser Glu Thr Gln Ile Asn Ala Thr Gln Ala
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91                      -25                      -20                      -15
92      atc ttc atc tta caa ctt gta ggg ctg gtg tta act tac gac ttc act 96
93      Ile Phe Ile Leu Gln Leu Val Gly Leu Val Leu Thr Tyr Asp Phe Thr
94                      -10                      -5                      -1 1

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see item 10
on Enron
summary
sheet

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RAW SEQUENCE LISTING
 PATENT APPLICATION US/09/399,492

DATE: 10/05/1999
 TIME: 10:44:46

Input Set: I399492.RAW

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98   aaa gac ctg att aca tat atg agt ggg acc aaa agt acc gag ttc aac 192
99   Lys Asp Leu Ile Thr Tyr Met Ser Gly Thr Lys Ser Thr Glu Phe Asn
100       25                30                35
101   aac acc gtc tct tgt agc aat cgg cca cat tgc ctt act gaa atc cag 240
102   Asn Thr Val Ser Cys Ser Asn Arg Pro His Cys Leu Thr Glu Ile Gln
103       40                45                50
104   agc cta acc ttc aat ccc acc gcc ggc tgc gcg tcg ctc gcc aaa gaa 288
105   Ser Leu Thr Phe Asn Pro Thr Ala Gly Cys Ala Ser Leu Ala Lys Glu
106       55                60                65
107   atg ttc gcc atg aaa act aag gct gcc tta gct atc tgg tgc cca ggc 336
108   Met Phe Ala Met Lys Thr Lys Ala Ala Leu Ala Ile Trp Cys Pro Gly
109       70                75                80
110   tat tcg gaa act cag ata aat gct act cag gca atg aag aag agg aga 384
111   Tyr Ser Glu Thr Gln Ile Asn Ala Thr Gln Ala Met Lys Lys Arg Arg
112       85                90                95                100
113   aaa agg aaa gtc aca acc aat aaa tgt ctg gaa caa gtg tca caa tta 432
114   Lys Arg Lys Val Thr Thr Asn Lys Cys Leu Glu Gln Val Ser Gln Leu
115       105                110                115
116   caa gga ttg tgg cgt cgc ttc aat cga cct tta ctg aaa caa cag taa 480
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<211> LENGTH: 159

<212> TYPE: PRT

<213> ORGANISM: primate

<400> SEQUENCE: 4

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127       -10                -5                -1    1
128   Asn Cys Asp Phe Glu Lys Ile Lys Ala Ala Tyr Leu Ser Thr Ile Ser
129       5                10                15                20
130   Lys Asp Leu Ile Thr Tyr Met Ser Gly Thr Lys Ser Thr Glu Phe Asn
131       25                30                35
132   Asn Thr Val Ser Cys Ser Asn Arg Pro His Cys Leu Thr Glu Ile Gln
133       40                45                50
134   Ser Leu Thr Phe Asn Pro Thr Ala Gly Cys Ala Ser Leu Ala Lys Glu
135       55                60                65
136   Met Phe Ala Met Lys Thr Lys Ala Ala Leu Ala Ile Trp Cys Pro Gly
137       70                75                80
138   Tyr Ser Glu Thr Gln Ile Asn Ala Thr Gln Ala Met Lys Lys Arg Arg
139       85                90                95                100
140   Lys Arg Lys Val Thr Thr Asn Lys Cys Leu Glu Gln Val Ser Gln Leu
141       105                110                115
142   Gln Gly Leu Trp Arg Arg Phe Asn Arg Pro Leu Leu Lys Gln Gln
143       120                125                130

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<210> SEQ ID NO 5

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RAW SEQUENCE LISTING
 PATENT APPLICATION US/09/399,492

DATE: 10/05/1999
 TIME: 10:44:46

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152 20 25 30
153 Asp Gly Gly Ala Tyr Gln Asn Val Leu Met Val Ser Ile Asp Asp Leu
154 35 40 45
155 Asp Asn Met Ile Asn Phe Asp Ser Asn Cys Leu Asn Asn Glu Pro Asn
156 50 55 60
157 Phe Phe Lys Lys His Ser Cys Asp Asp Asn Lys Glu Ala Ser Phe Leu
158 65 70 75 80
159 Asn Arg Ala Ala Arg Lys Leu Lys Gln Phe Leu Lys Met Asn Ile Ser
160 85 90 95
161 Asp Asp Phe Lys Leu His Leu Ser Thr Val Ser Gln Gly Thr Leu Thr
162 100 105 110
163 Leu Leu Asn Cys Thr Ser Lys Gly Lys Gly Arg Lys Pro Pro Ser Leu
164 115 120 125
165 Gly Glu Ala Gln Pro Thr Lys Asn Leu Glu Glu Asn Lys Ser Leu Lys
166 130 135 140
167 Glu Gln Arg Lys Gln Asn Asp Leu Cys Phe Leu Lys Ile Leu Leu Gln
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170 165 170 175
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179 20 25 30
180 Asp Gly Gly Ala Tyr Gln Asn Val Leu Met Val Asn Ile Asp Asp Leu
181 35 40 45
182 Asp Asn Met Ile Asn Phe Asp Ser Asn Cys Leu Asn Asn Glu Pro Asn
183 50 55 60
184 Phe Phe Lys Lys His Ser Cys Asp Asp Asn Lys Glu Ala Ser Phe Leu
185 65 70 75 80
186 Asn Arg Ala Ser Arg Lys Leu Arg Gln Phe Leu Lys Met Asn Ile Ser
187 85 90 95
188 Asp Asp Phe Lys Leu His Leu Ser Thr Val Ser Gln Gly Thr Leu Thr
189 100 105 110
190 Leu Leu Asn Cys Thr Ser Lys Gly Lys Gly Arg Lys Pro Pro Ser Leu
191 115 120 125
192 Ser Glu Ala Gln Pro Thr Lys Asn Leu Glu Glu Asn Lys Ser Ser Lys
193 130 135 140
194 Glu Gln Lys Lys Gln Asn Asp Leu Cys Phe Leu Lys Ile Leu Leu Gln

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/399,492

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TIME: 10:44:46

Input Set: I399492.RAW

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206                      20          25          30
207      Asp Gly Lys Gln Tyr Glu Ser Val Leu Met Val Ser Ile Asp Gln Leu
208                      35          40          45
209      Leu Asp Ser Met Lys Glu Ile Gly Ser Asn Cys Leu Asn Asn Glu Phe
210          50          55          60
211      Asn Phe Phe Lys Arg His Ile Cys Asp Ala Asn Lys Glu Gly Met Phe
212          65          70          75          80
213      Leu Phe Arg Ala Ala Arg Lys Leu Arg Gln Phe Leu Lys Met Asn Ser
214                      85          90          95
215      Thr Gly Asp Phe Asp Leu His Leu Leu Lys Val Ser Glu Gly Thr Thr
216                      100          105          110
217      Ile Leu Leu Asn Cys Thr Gly Gln Val Lys Gly Arg Lys Pro Ala Ala
218          115          120          125
219      Leu Gly Glu Ala Gln Pro Thr Lys Ser Leu Glu Glu Asn Lys Ser Leu
220          130          135          140
221      Lys Glu Gln Lys Lys Leu Asn Asp Leu Cys Phe Leu Lys Arg Leu Leu
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224                      165          170          175
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234                      20          25          30
235      Glu Gly Lys Ala Tyr Glu Ser Val Leu Met Ile Ser Ile Asp Glu Leu
236                      35          40          45
237      Asp Lys Met Thr Gly Thr Asp Ser Asn Cys Pro Asn Asn Glu Pro Asn
238          50          55          60
239      Phe Phe Arg Lys His Val Cys Asp Asp Thr Lys Glu Ala Ala Phe Leu
240          65          70          75          80
241      Asn Arg Ala Ala Arg Lys Leu Lys Gln Phe Leu Lys Met Asn Ile Ser
242                      85          90          95
243      Glu Glu Phe Asn Val His Leu Leu Thr Val Ser Gln Gly Thr Gln Thr
244                      100          105          110

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VERIFICATION SUMMARY
PATENT APPLICATION US/09/399,492

DATE: 10/05/1999
TIME: 10:44:46

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